



UNITED STATES MARINE CORPS  
MARINE CORPS BASE  
CAMP LEJEUNE, NORTH CAROLINA 28542-5001

IN REPLY REFER TO:  
5420/2  
FAC  
JAN 23 1987

From: Chairman, Environmental Impact Review Board

Subj: PRELIMINARY ENVIRONMENTAL ASSESSMENTS (PEA'S)

Ref: (a) BO 11000.1B

- Encl: (1) Construction of Borrow Pits and Demolition Landfills, Montford Point  
(2) Construct Military Operations in Urban Terrain (MOUT) Facility  
(3) Expansion of Knox Mobile Home Park  
(4) Helicopter Maintenance Hangar, MCAS, New River, P-543  
(5) Modify Aircraft Direct Refueling Station, MCAS, New River, P-545  
(6) Corrosion Control Facility, MCAS, New River, P-433  
(7) Ordnance Building, MCAS, New River, P-497  
(8) Aviation Armament Shops, MCAS, New River, P-506

who?  
1. Completed PEA's are forwarded for implementation of environmental protection measures per reference (a). Actions to obtain environmental permits during project design should be pursued accordingly.

2. Please contact Mr. Alexander, Environmental Engineer, for further information on these projects.

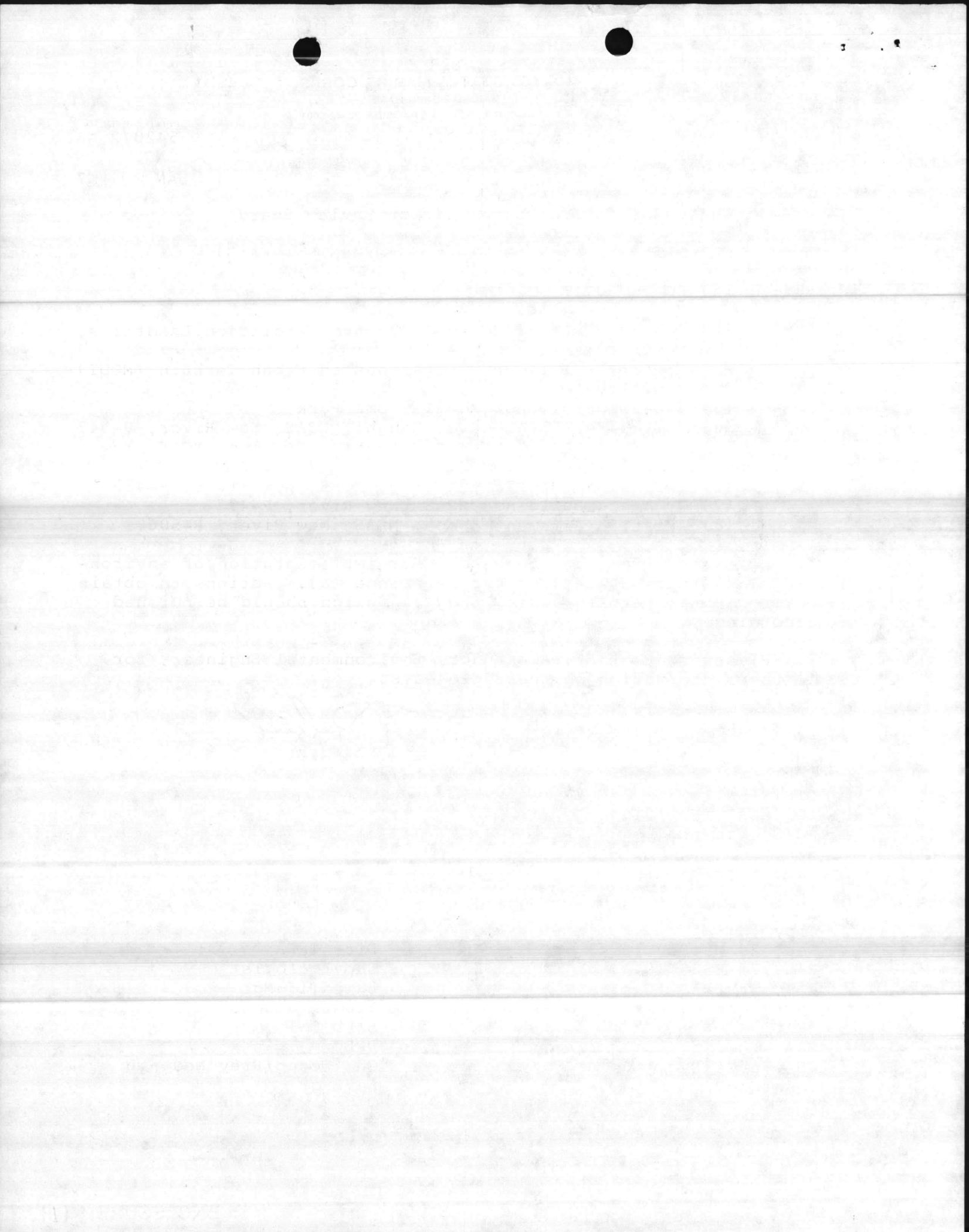
  
T. J. DALZELL

DISTRIBUTION:  
CO, MCAS, New River  
AC/S, Trng & Ops  
BMO  
Dir, FamHsg  
PWO

Copy to:  
Rep, 2d MarDiv (G-4)  
Rep, 2d FSSG (G-4)  
Rep, 6th MAB (G-4)  
Rep, MCAS(H), NR (S-4)  
TFACO  
SJA  
CH, VetMedSvc, NH  
ConstCoord

Dir, NREA  
SupvEcologist  
BWildlifeMgr  
BGameProtector  
SAFD  
DPDO  
CH, Occup/Prev Med, NH  
EnvEngr

ENCLOSURE (1)



UNITED STATES MARINE CORPS  
Marine Corps Base  
Camp Lejeune, North Carolina 28542

ENVIRONMENTAL IMPACT/ENVIRONMENTAL ENHANCEMENT REVIEW BOARD  
PRELIMINARY ENVIRONMENTAL ASSESSMENT (PEA)

SUBJ: CONSTRUCTION OF BORROW PITS AND DEMOLITION LANDFILLS,  
MONTFORD POINT

In accordance with Base Orders 11000.1B and 11015.2G, the subject action has been reviewed by the Marine Corps Base Environmental Impact Review Board.

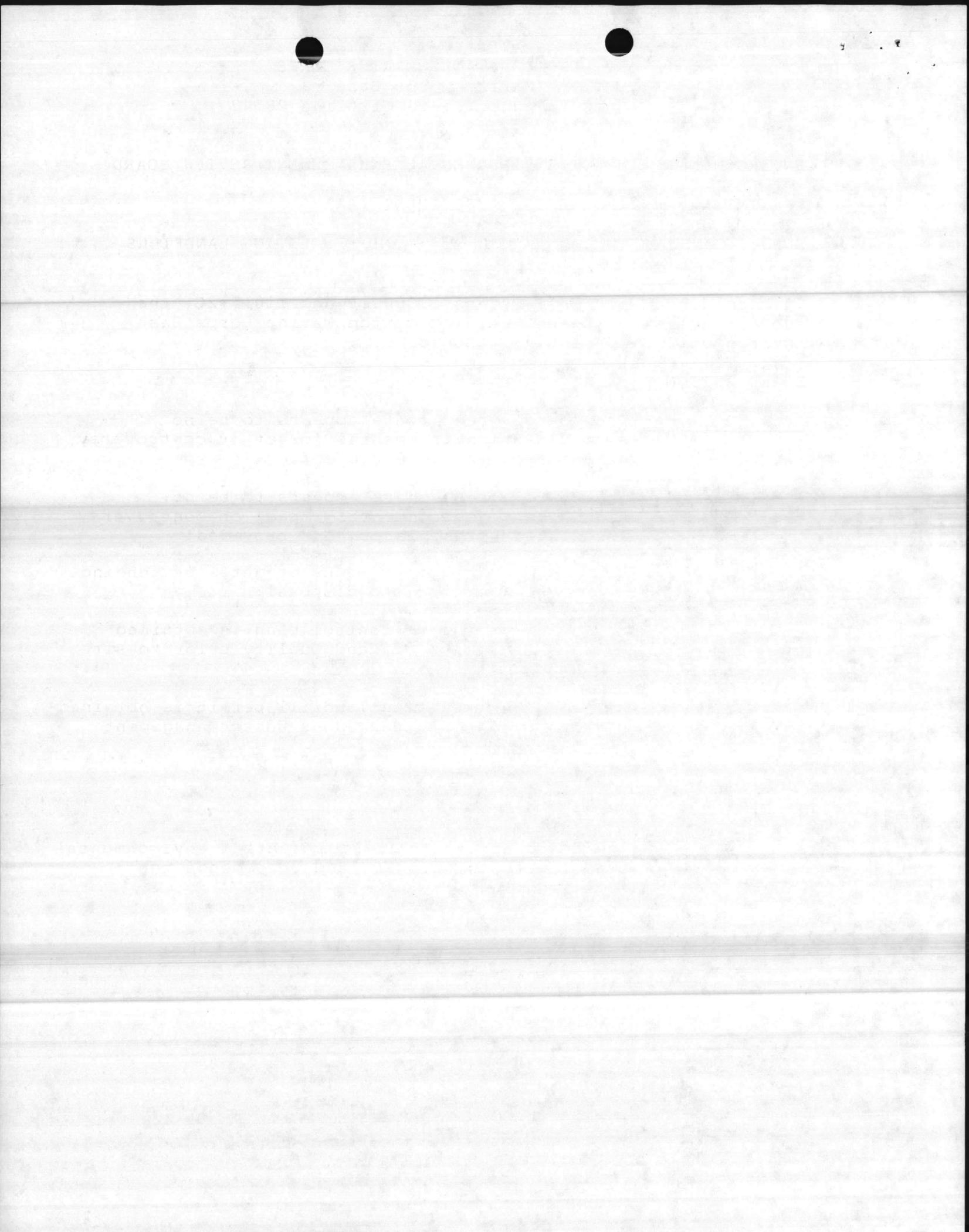
BOARD ACTION

\_\_\_\_\_ The board agreed there appears to be no significant environmental impact or controversy associated with this project.

XX \_\_\_\_\_ The Board agreed there appears to be no significant environmental impact or controversy associated with this project provided:

- Site(s) are secured by means of gates or fencing to prevent unauthorized disposal.
- An approved sediment control plan is obtained from N.C. Division of Land Quality prior to site preparation.
- Approval of demolition landfill permit is obtained from N.C. Solid and Hazardous Waste Management Branch.

\_\_\_\_\_ The Board agreed there is potential environmental impact with the project and recommends the following:



UNITED STATES MARINE CORPS  
Marine Corps Base  
Camp Lejeune, North Carolina 28542

ENVIRONMENTAL IMPACT/ENVIRONMENTAL ENHANCEMENT REVIEW BOARD  
PRELIMINARY ENVIRONMENTAL ASSESSMENT (PEA)

SUBJ: CONSTRUCT MILITARY OPERATIONS IN URBAN TERRAIN (MOUT)  
FACILITY

In accordance with Base Orders 11000.1B and 11015.2G, the subject action has been reviewed by the Marine Corps Base Environmental Impact Review Board.

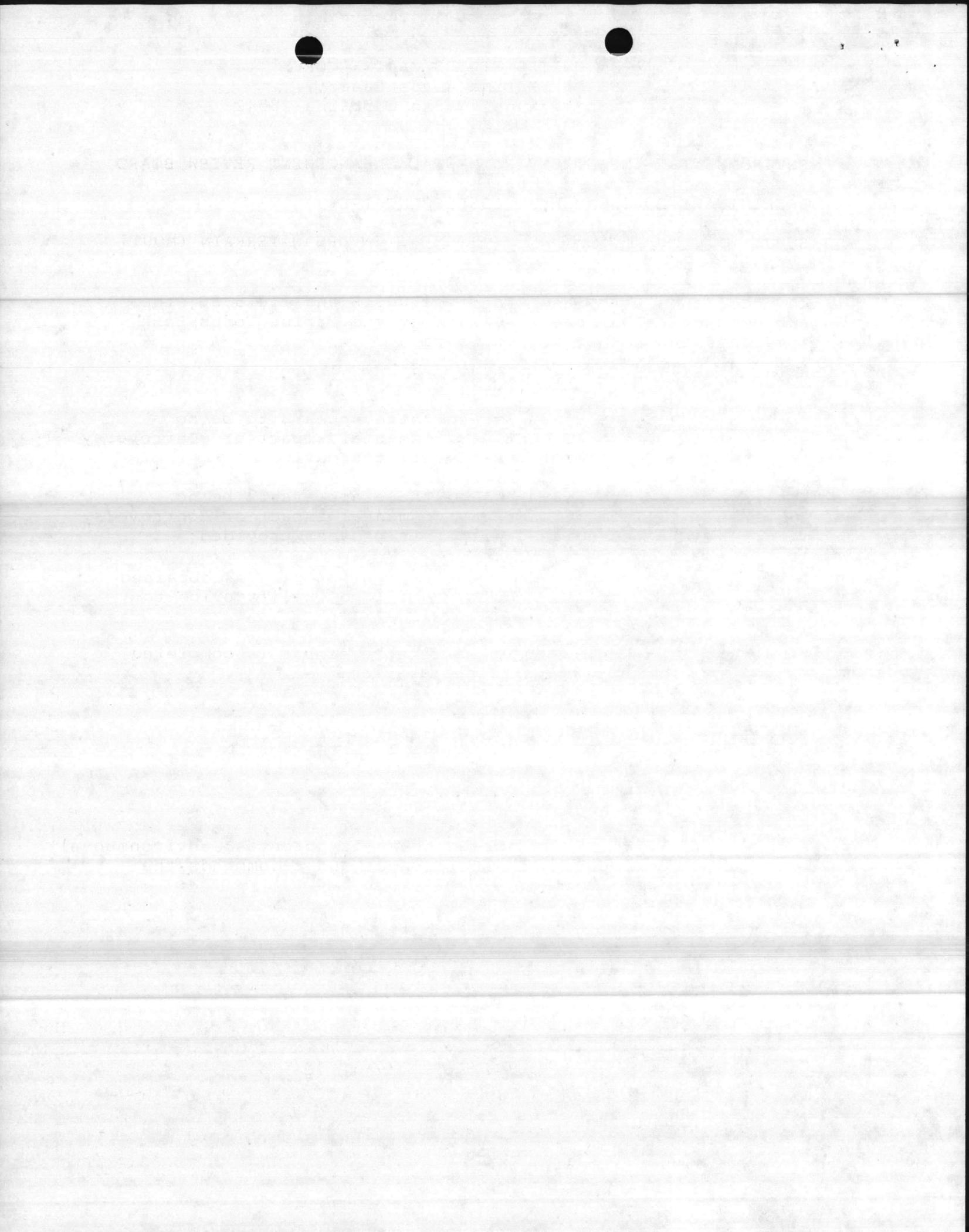
BOARD ACTION

\_\_\_\_\_ The board agreed there appears to be no significant environmental impact or controversy associated with this project.

\_\_\_\_\_ XX The Board agreed there appears to be no significant environmental impact or controversy associated with this project provided:

- An approved sediment control plan is obtained from N.C. Division of Land Quality prior to site preparation.
- Harvesting of marketable timber is completed prior to site preparation.

\_\_\_\_\_ The Board agreed there is potential environmental impact with the project and recommends the following:



UNITED STATES MARINE CORPS  
Marine Corps Base  
Camp Lejeune, North Carolina 28542

ENVIRONMENTAL IMPACT/ENVIRONMENTAL ENHANCEMENT REVIEW BOARD

PRELIMINARY ENVIRONMENTAL ASSESSMENT (PEA)

SUBJ: EXPANSION OF KNOX MOBILE HOME PARK

In accordance with Base Orders 11000.1B and 11015.2G, the subject action has been reviewed by the Marine Corps Base Environmental Impact Review Board.

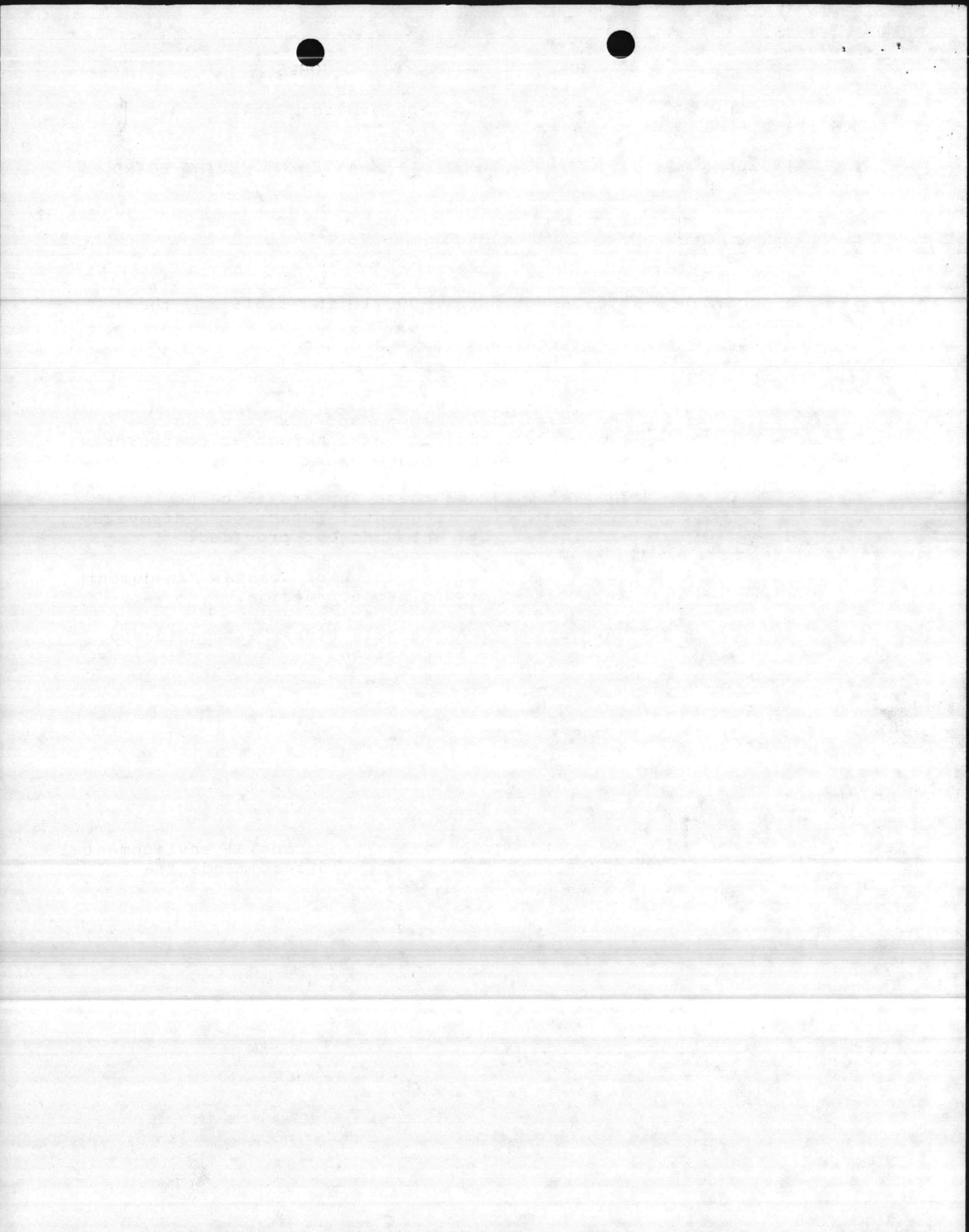
BOARD ACTION

\_\_\_\_\_ The board agreed there appears to be no significant environmental impact or controversy associated with this project.

\_\_\_\_\_ XX The Board agreed there appears to be no significant environmental impact or controversy associated with this project provided:

- Approval by N.C. Division of Coastal Management is obtained during project design.
- Harvesting of marketable timber is considered prior to site preparation.

\_\_\_\_\_ The Board agreed there is potential environmental impact with the project and recommends the following:



UNITED STATES MARINE CORPS  
Marine Corps Base  
Camp Lejeune, North Carolina 28542

ENVIRONMENTAL IMPACT/ENVIRONMENTAL ENHANCEMENT REVIEW BOARD  
PRELIMINARY ENVIRONMENTAL ASSESSMENT (PEA)

SUBJ: HELICOPTER MAINTENANCE HANGAR, MCAS, NEW RIVER, P-543

In accordance with Base Orders 11000.1B and 11015.2G, the subject action has been reviewed by the Marine Corps Base Environmental Impact Review Board.

BOARD ACTION

\_\_\_\_\_ The board agreed there appears to be no significant environmental impact or controversy associated with this project.

\_\_\_\_\_ XX The Board agreed there appears to be no significant environmental impact or controversy associated with this project provided:

- Air pollution permits for paint spray booth(s) are obtained from N.C. Division of Environmental Management during project design.
- Potential problems associated with underground JP-5 fuel spill are identified on project drawing and precautions to control oily runoff during construction of utility excavations are addressed in project specifications.

\_\_\_\_\_ The Board agreed there is potential environmental impact with the project and recommends the following:



1941

1942

1943

UNITED STATES MARINE CORPS  
Marine Corps Base  
Camp Lejeune, North Carolina 28542

ENVIRONMENTAL IMPACT/ENVIRONMENTAL ENHANCEMENT REVIEW BOARD  
PRELIMINARY ENVIRONMENTAL ASSESSMENT (PEA)

SUBJ: MODIFY AIRCRAFT DIRECT REFUELING STATION, MCAS, NEW  
RIVER, P-545

In accordance with Base Orders 11000.1B and 11015.2G, the subject action has been reviewed by the Marine Corps Base Environmental Impact Review Board.

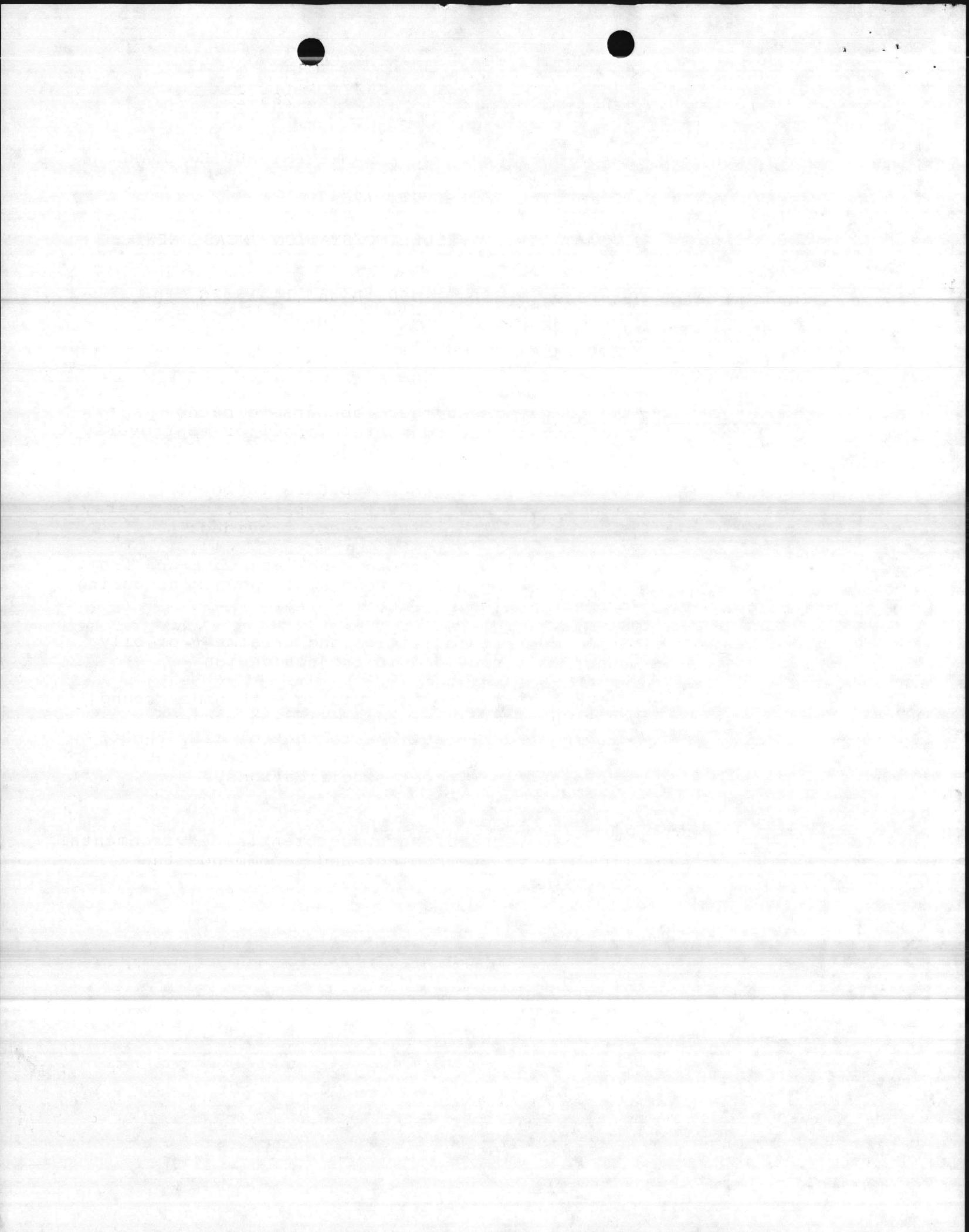
BOARD ACTION

\_\_\_\_\_ The board agreed there appears to be no significant environmental impact or controversy associated with this project.

XX  
\_\_\_\_\_ The Board agreed there appears to be no significant environmental impact or controversy associated with this project provided:

- Permits for underground tanks are obtained from N.C. Division of Environmental Management during project design.
- Spill control facilities and treatment of oily runoff are provided in project design.
- Potential problems associated with underground JP-5 fuel spill are identified on project drawing and precautions to control oily runoff during construction of utility excavations are addressed in project specifications.

\_\_\_\_\_ The Board agreed there is potential environmental impact with the project and recommends the following:



UNITED STATES MARINE CORPS  
Marine Corps Base  
Camp Lejeune, North Carolina 28542

ENVIRONMENTAL IMPACT/ENVIRONMENTAL ENHANCEMENT REVIEW BOARD  
PRELIMINARY ENVIRONMENTAL ASSESSMENT (PEA)

SUBJ: CORROSION CONTROL FACILITY, MCAS, NEW RIVER, P-433

In accordance with Base Orders 11000.1B and 11015.2G, the subject action has been reviewed by the Marine Corps Base Environmental Impact Review Board.

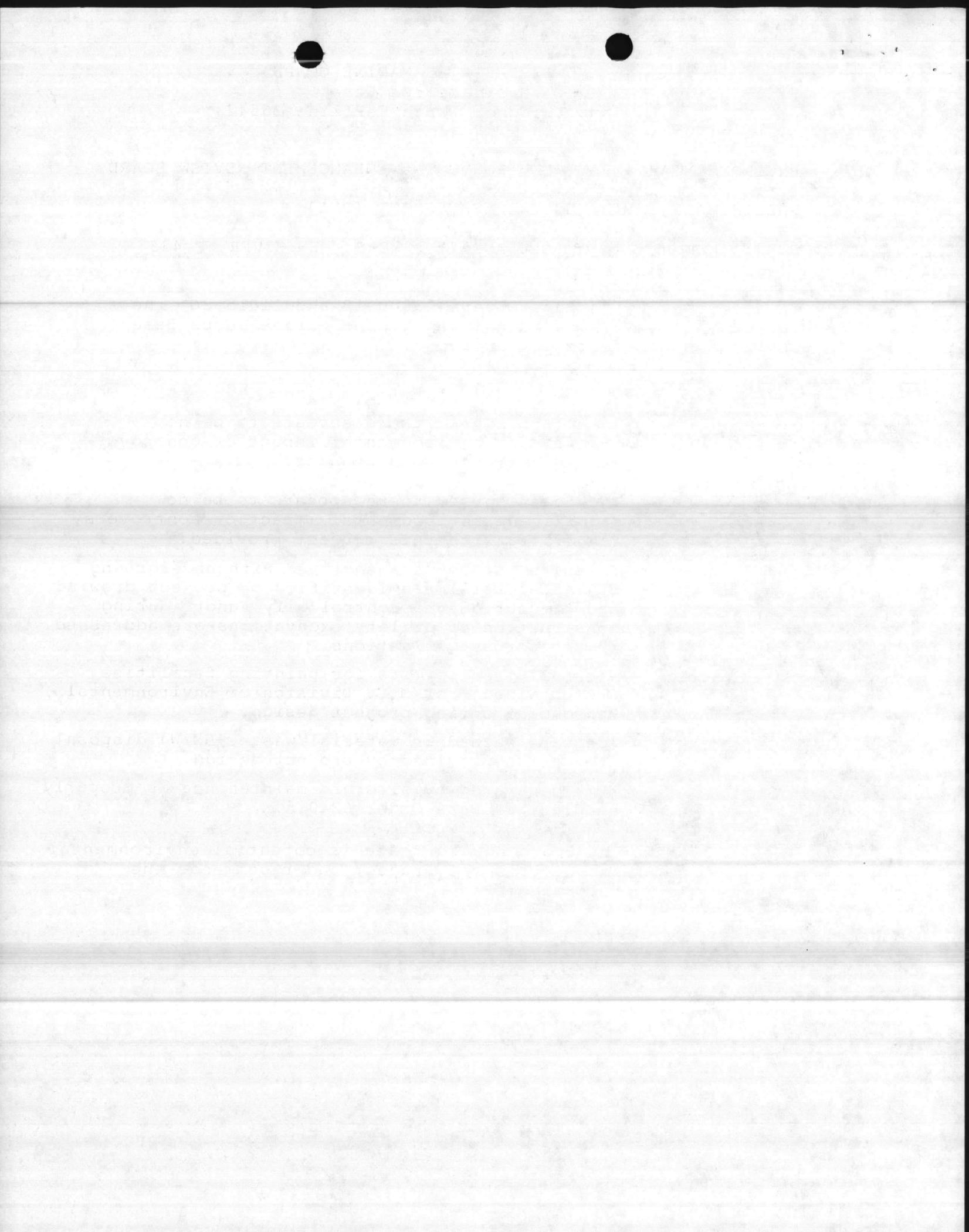
BOARD ACTION

\_\_\_\_\_ The board agreed there appears to be no significant environmental impact or controversy associated with this project.

\_\_\_\_\_ XX The Board agreed there appears to be no significant environmental impact or controversy associated with this project provided:

- Potential problems associated with underground JP-5 fuel spill are identified on project drawing and precautions to control oily runoff during construction of utility excavations are addressed in project specifications.
- Air pollution permits for painting facilities are obtained from N.C. Division of Environmental Management during project design.
- Adequate hazardous material/waste (HM/W) disposal storage is provided by project design.
- HM/W generated by aircraft maintenance is properly handled per Base Order 6240.5.

\_\_\_\_\_ The Board agreed there is potential environmental impact with the project and recommends the following:



UNITED STATES MARINE CORPS  
Marine Corps Base  
Camp Lejeune, North Carolina 28542

ENVIRONMENTAL IMPACT/ENVIRONMENTAL ENHANCEMENT REVIEW BOARD  
PRELIMINARY ENVIRONMENTAL ASSESSMENT (PEA)

SUBJ: ORDNANCE BUILDING, MCAS, NEW RIVER, P-497

In accordance with Base Orders 11000.1B and 11015.2G, the subject action has been reviewed by the Marine Corps Base Environmental Impact Review Board.

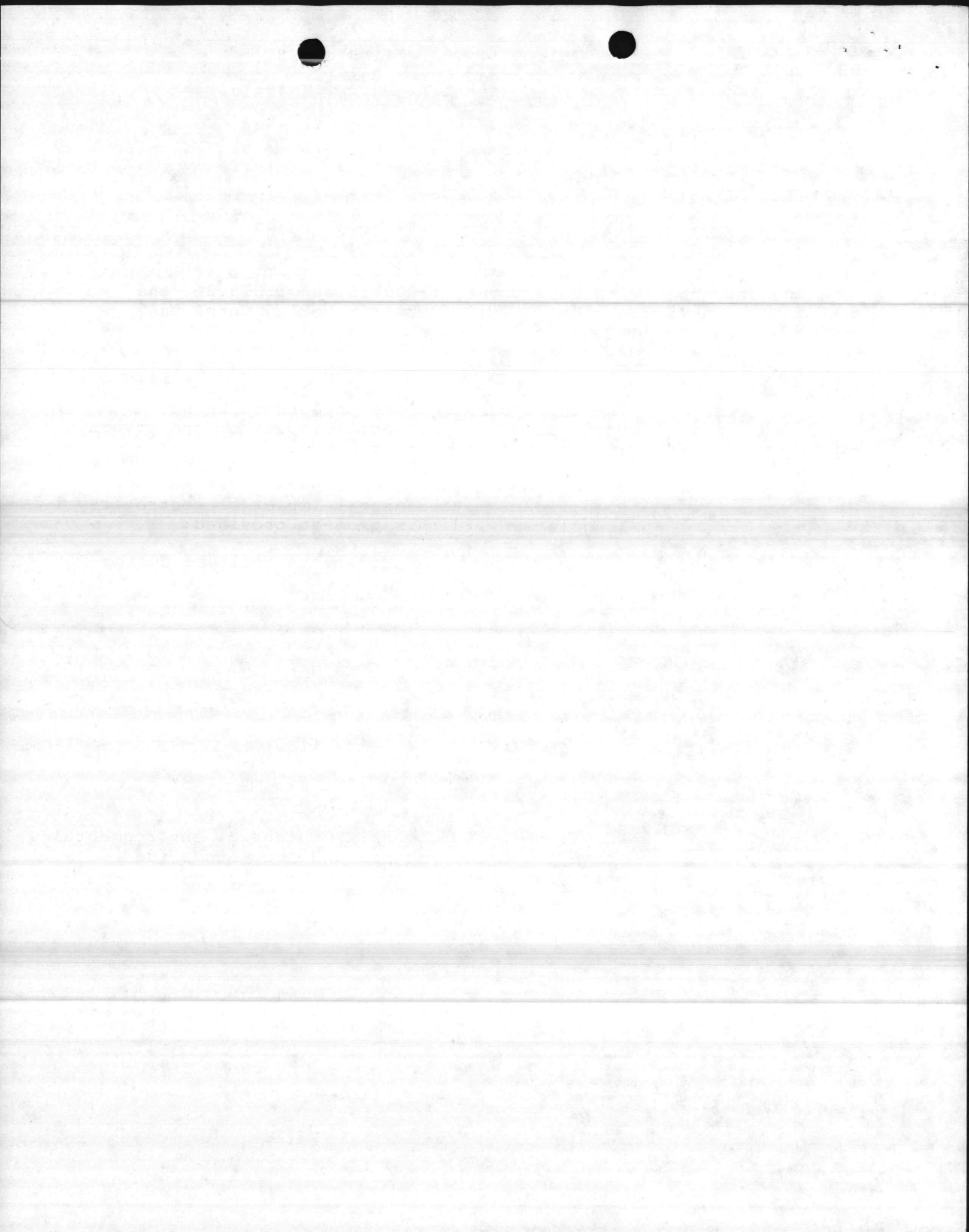
BOARD ACTION

\_\_\_\_\_ The board agreed there appears to be no significant environmental impact or controversy associated with this project.

XX\_\_\_\_\_ The Board agreed there appears to be no significant environmental impact or controversy associated with this project provided:

- Sediment control measures are employed during project construction.

\_\_\_\_\_ The Board agreed there is potential environmental impact with the project and recommends the following:



UNITED STATES MARINE CORPS  
Marine Corps Base  
Camp Lejeune, North Carolina 28542

ENVIRONMENTAL IMPACT/ENVIRONMENTAL ENHANCEMENT REVIEW BOARD

PRELIMINARY ENVIRONMENTAL ASSESSMENT (PEA)

SUBJ: AVIATION ARMAMENT SHOPS, MCAS, NEW RIVER, P-506

In accordance with Base Orders 11000.1B and 11015.2G, the subject action has been reviewed by the Marine Corps Base Environmental Impact Review Board.

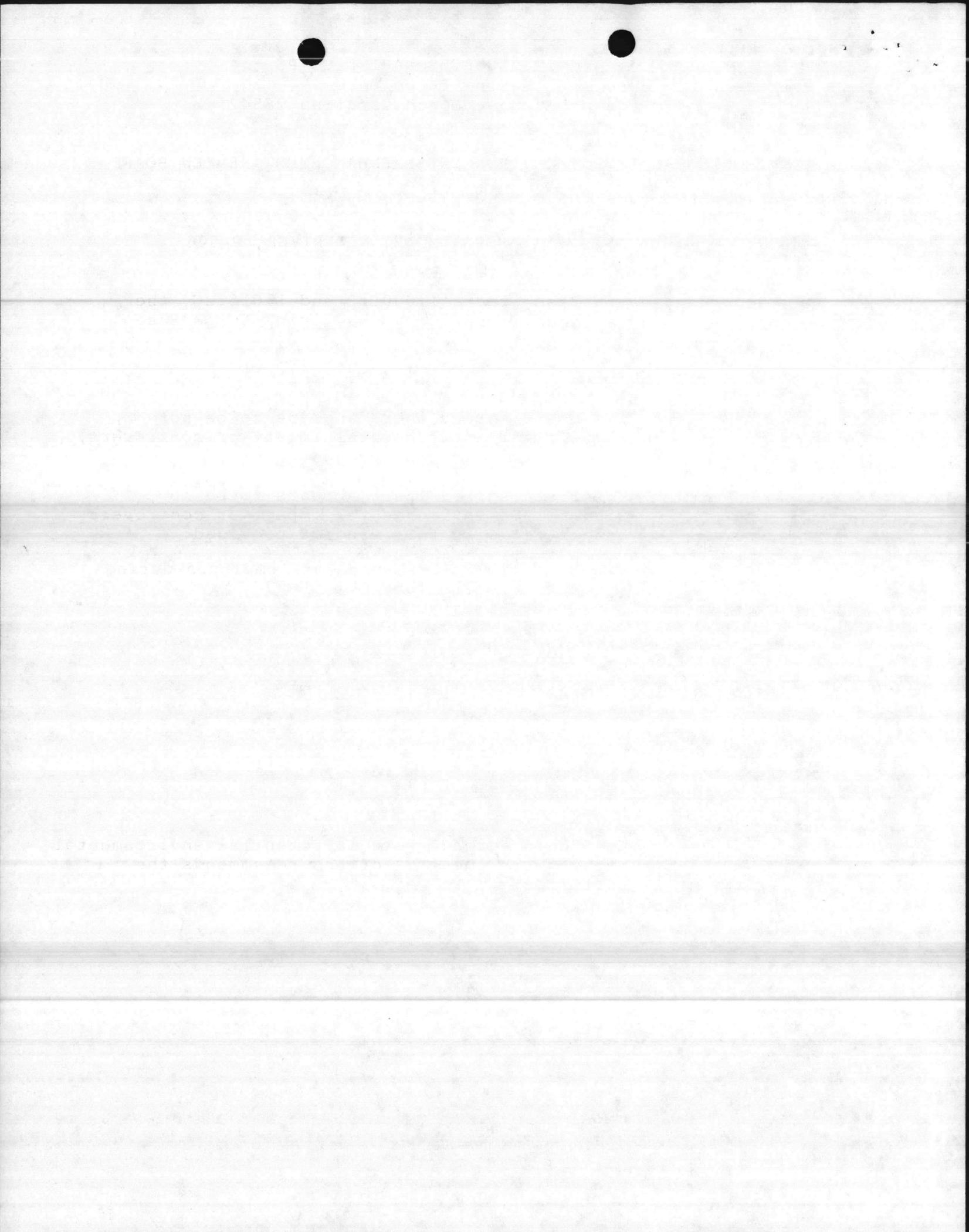
BOARD ACTION

\_\_\_\_\_ The board agreed there appears to be no significant environmental impact or controversy associated with this project.

\_\_\_\_\_ XX The Board agreed there appears to be no significant environmental impact or controversy associated with this project provided:

- Sediment control measures are employed during project construction.

\_\_\_\_\_ The Board agreed there is potential environmental impact with the project and recommends the following:



6280/5

PWO

MAR 03 1987

Mr. Gerald Kraynak  
Regional Engineer  
NC Division of Land Quality  
7225 Wrightsville Avenue  
Wilmington, NC 23408-3698

Re: Sedimentation Control Plan, Montford Point Borrow Pit

Dear Mr. Kraynak:

In accordance with NC Admin Code 4B .0001-.0023, we are forwarding the subject plan. As described herein, the proposed borrow pit is an essential component of the ongoing Military Construction Program at Camp Lejeune.

Construction and operation of the borrow pit and access road has been designed to control all sedimentation within the site boundaries. We request your review and approval of this plan, along with any guidance which you feel will improve sediment control.

Mr. Bob Alexander, Marine Corps Base, Environmental Engineer, 919-451-3034 will provide any further information you may desire.

Sincerely,

T. J. DALZELL  
Colonel, U. S. Marine Corps  
Assistant Chief of Staff, Facilities  
By direction of the Commanding General

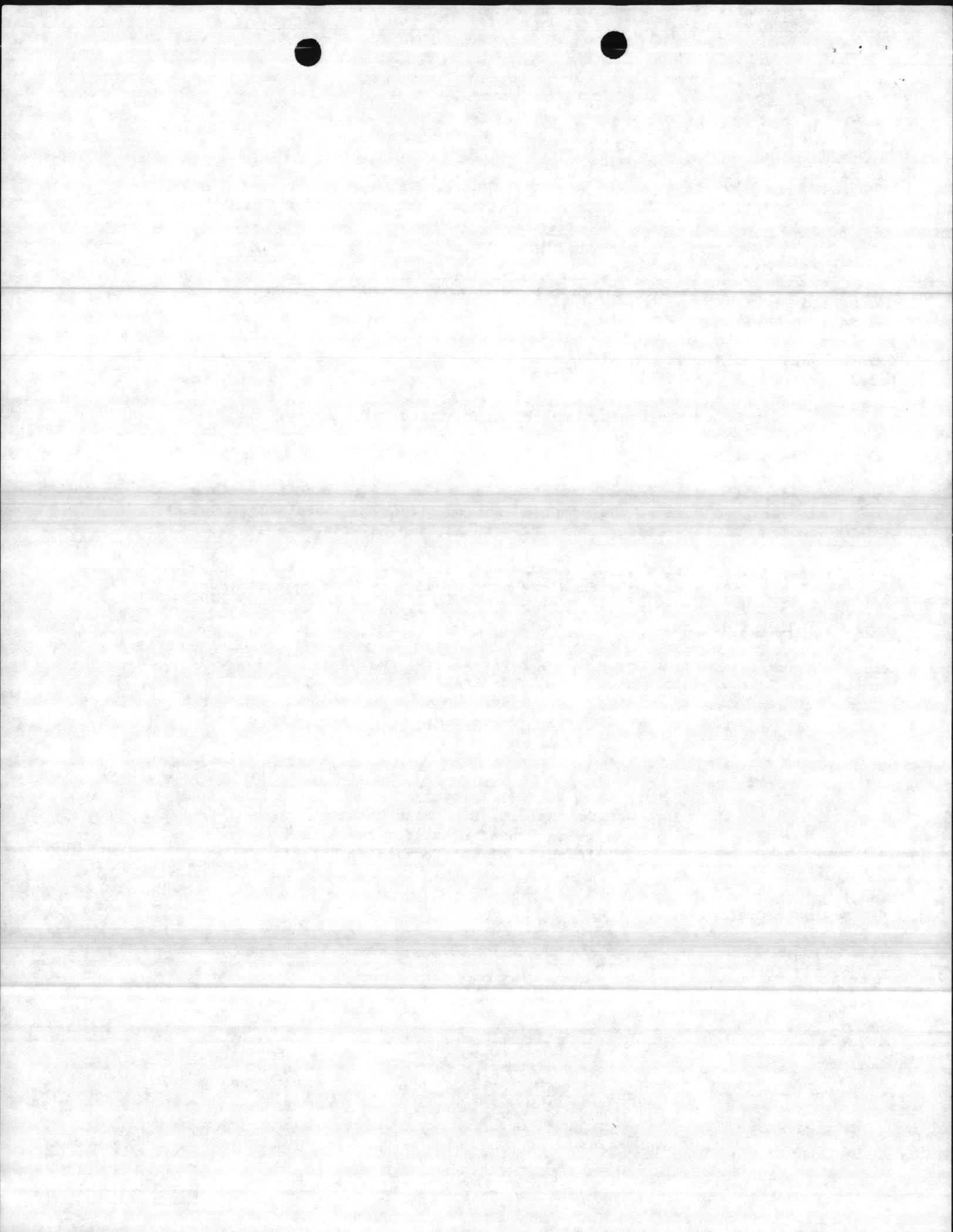
Encl:

(1) Sediment Control Plan

Copy to:  
ROIICC, JAF Area

Blind copy to:  
EMO  
NREAD  
EnvEngr

ENCLOSURE (2)

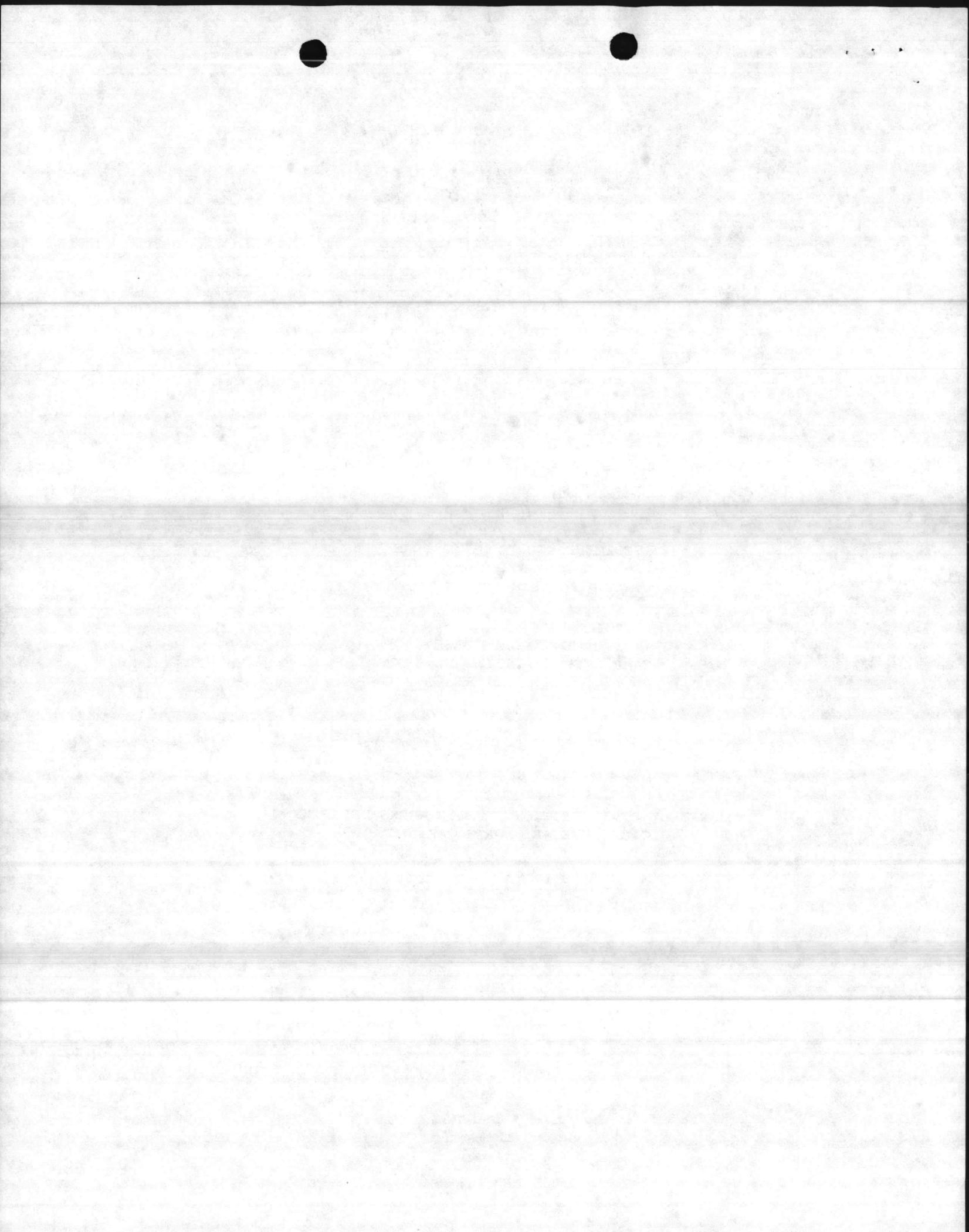


SEDIMENTATION CONTROL PLAN  
FOR  
CAMP JOHNSON BORROW PIT

MARINE CORPS BASE  
CAMP LEJEUNE, NORTH CAROLINA

PREPARED BY CIVIL SECTION, PUBLIC WORKS DEPARTMENT  
CAMP LEJEUNE, NORTH CAROLINA

APPROVED BY: \_\_\_\_\_



## EROSION CONTROL PLAN FOR CAMP JOHNSON BORROW PIT

1. Description of Proposed Work: In support of future construction projects at Camp Johnson, a new borrow pit location and access road have been sited as indicated on enclosure (1). The borrow pit area and portions of the proposed access road will require clearing approximately eight acres of merchantable timber. Natural Resources and Environmental Affairs Division has been notified and a contract to harvest this timber is being developed. The construction of the access road and borrow area is anticipated to be accomplished by contract during FY-87. After the removal of merchantable timber, the contractor will be required to remove any existing trees and stumps and stockpile this material in the borrow area to be used in constructing a berm to contain on site run-off. The work will also include upgrading existing dirt roads to the cross section required to accommodate large construction vehicles, providing a stone surface course and installing additional culverts, as required for adequate drainage. When the borrow pit has reached its maximum depth, asphalt and concrete rubble is recommended to be disposed of at the same site. Disposal of rubble will be handled by separate permit at a later date.

2. Description of Project Area: Enclosure (1) indicates the new borrow area. The site has been investigated and was selected because of the characteristics of the soil encountered. Preliminary investigation indicates suitable material for construction purposes and because of existing topography can be removed without impacting existing water sheds. The soil is predominately Baymeade fine sand with Craven fine sandy loam around the perimeter.

3. Erosion Control Methods: Erosion will be controlled in the borrow pit and access road area using the following methods:

a. Sediment Pond. A sediment pond will be constructed in the center of the borrow pit as there will be no discharge from the sediment pond and actual construction of the pond will occur as fill material is removed from the borrow pit.

b. Silt Fence. Silt fences will be constructed at the toe of the berm around the borrow pit and along the new access road if necessary to control sediment.

c. Revegetation of Exposed Areas. Immediately after completion of land disturbing activity in an area, fertilization, liming and seeding will take place. The areas to be vegetated shall be prepared by loosening the soil to a depth of four inches, application of ground dolomite agricultural limestone at a rate of 40 pounds per 1000 square feet, application of standard commercial fertilizer of 10-10-10 analysis at a rate of 35 pounds per 1000 square feet, and sowing of a seed mixture containing 55 percent KY-31 fescue, 25 percent annual ryegrass, and 20 percent unhulled Bermuda at a rate of one-half pound per 100 square feet

Enclosure (2) indicates the clearing limits of the borrow pit, the proposed berming of existing material, and the location of the sediment pond to contain site run-off in the borrow area. Also indicated is the proposed construction of silt fences to be utilized where necessary.



4. Work Sequence:

a. All merchantable timber will be removed from the borrow area and portions of the access road.

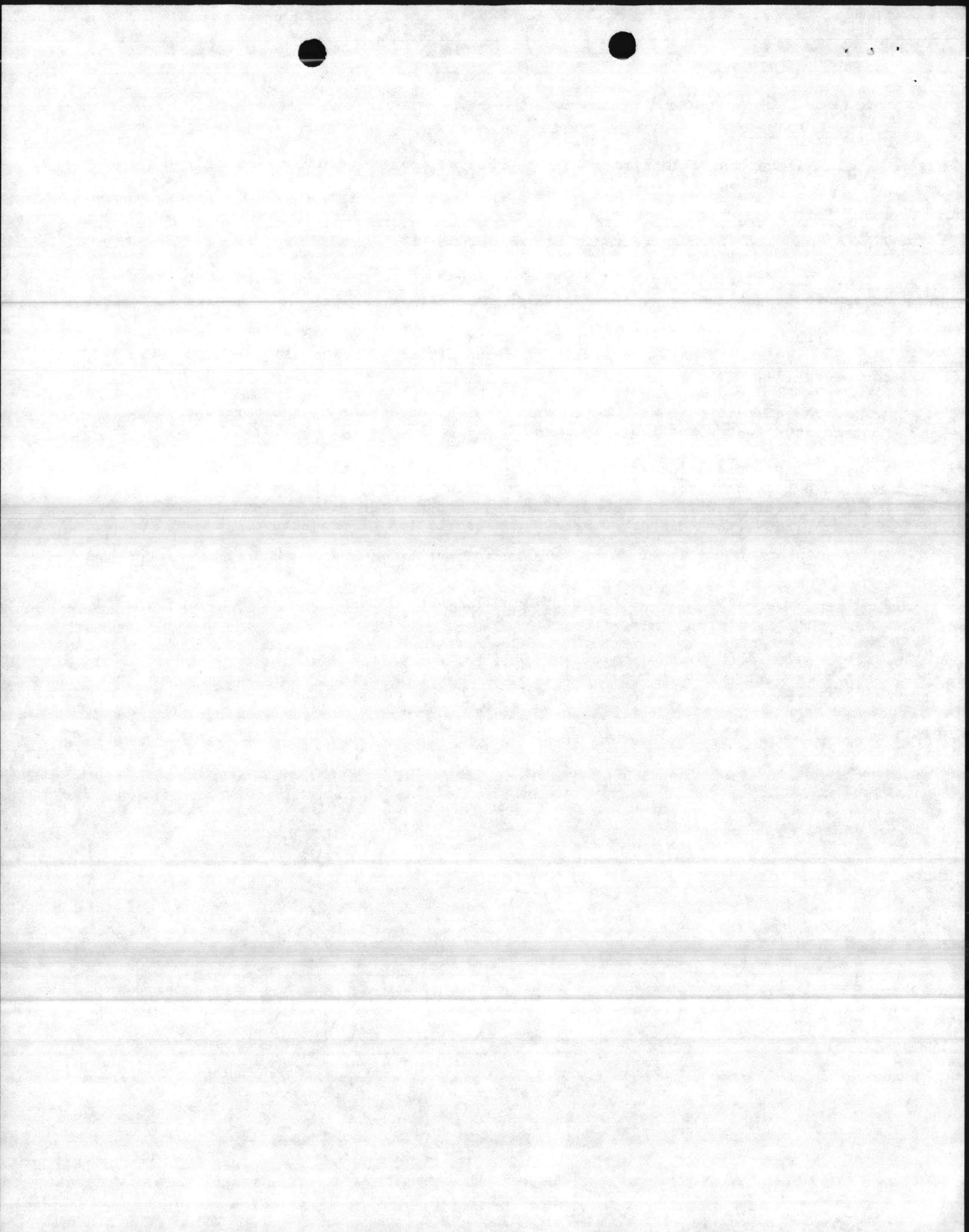
b. New culverts will be installed if required and the new portion of the access road will be constructed. See enclosure (3).

c. The existing dirt road will be improved and all affected areas of the access route will be seeded to establish vegetation.

d. The borrow pit will be grubbed of existing stumps and small trees and a berm constructed of this material around the site to contain all run-off. See enclosure (3).

e. A sediment pond will be constructed in the center of the borrow area to contain storm water and local sediment. See enclosure (2) and (3).

5. Borrow Pit Operation and Maintenance: The borrow pit will be made available to contractors when fill material is required by the contract. Dumping of refuse will not be permitted and contractors will be required to dress and revegetate disturbed areas upon completion of projects.

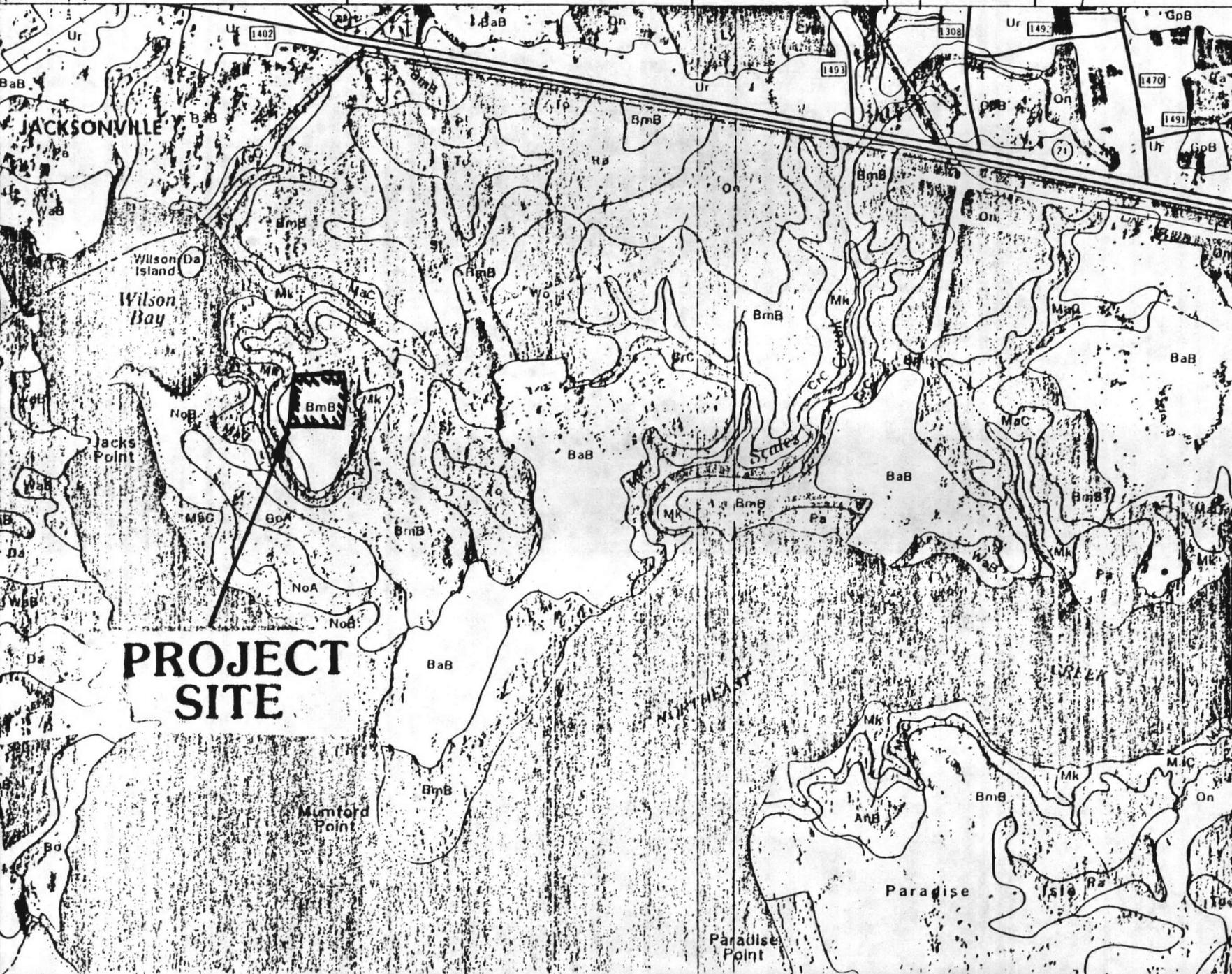


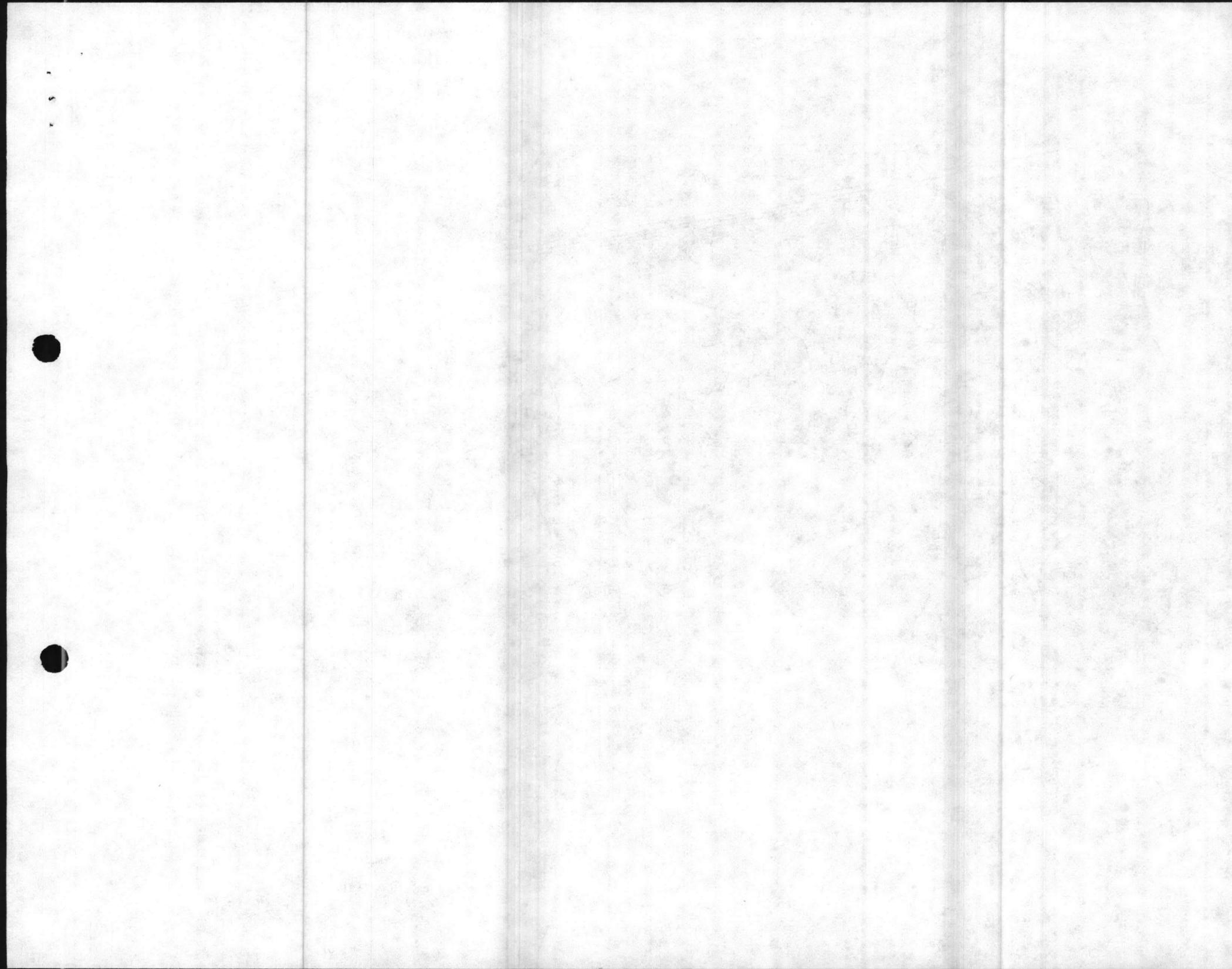
CAMP LEJEUNE MARINE CORPS BASE  
SHEET NUMBER 1  
ONSLOW COUNTY, NORTH CAROLINA

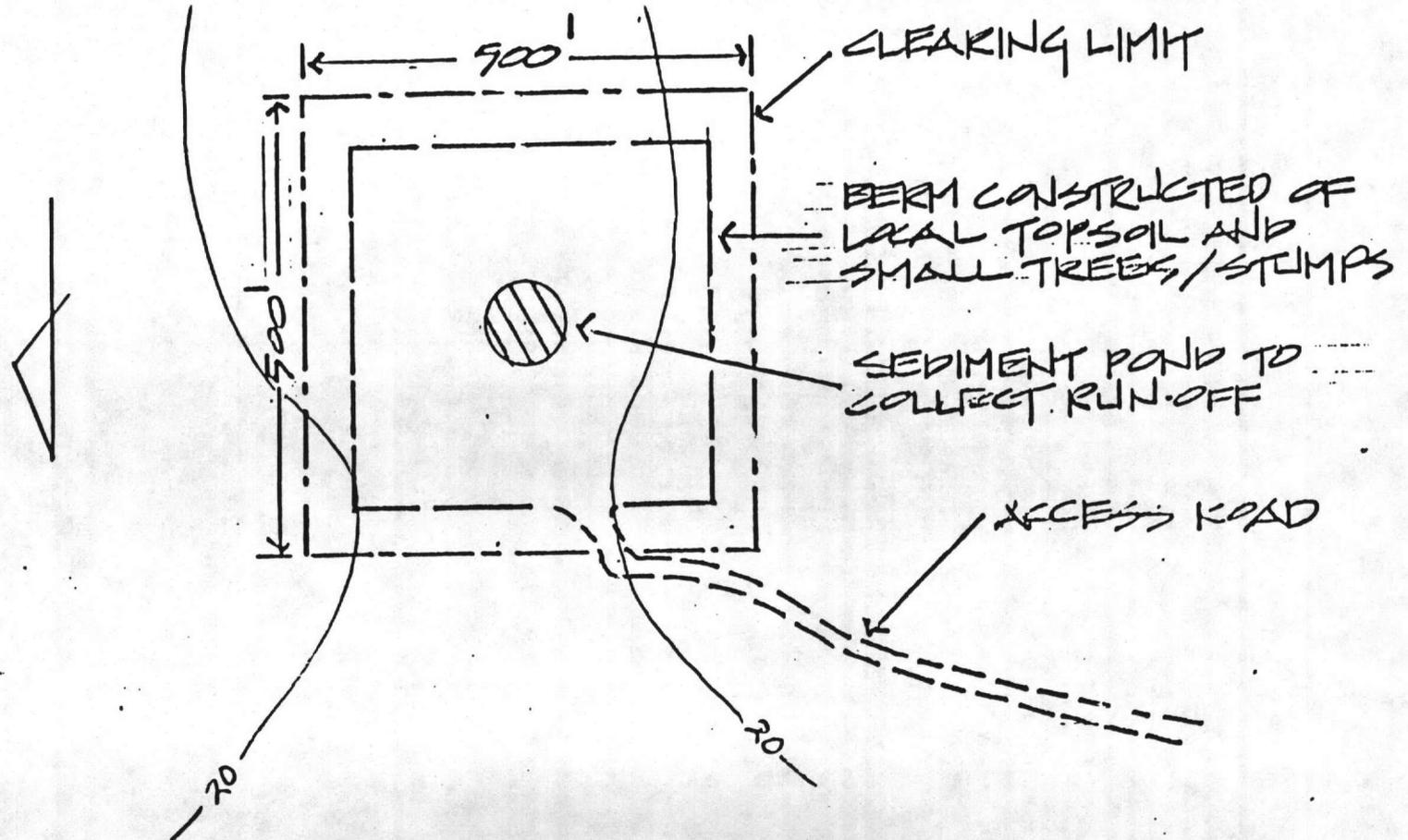
(Joins sheet 6)

77°22'30"

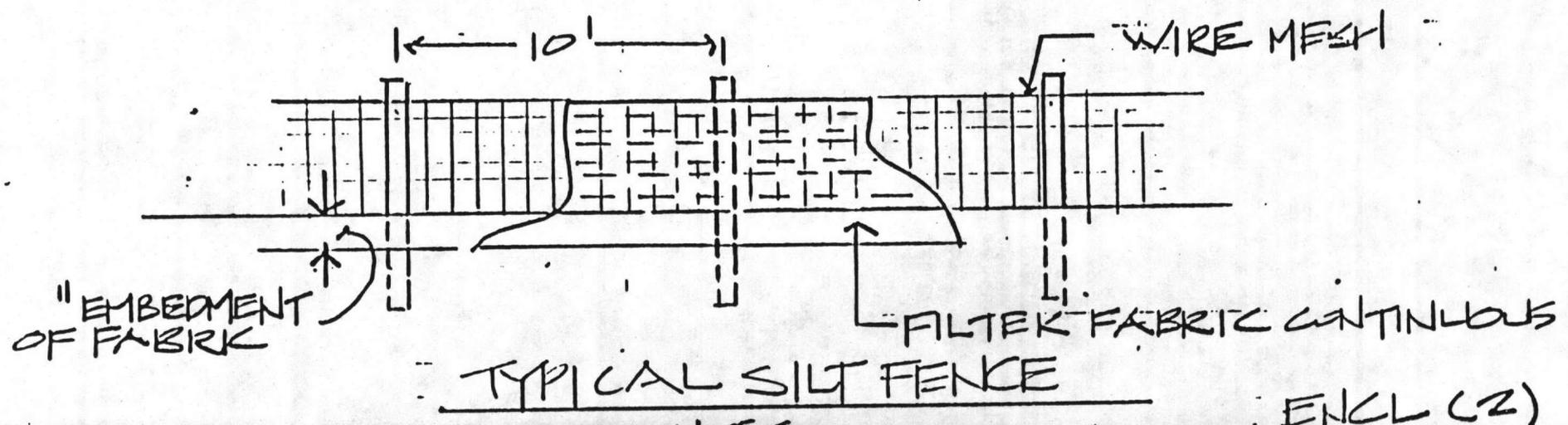
34°45'00"

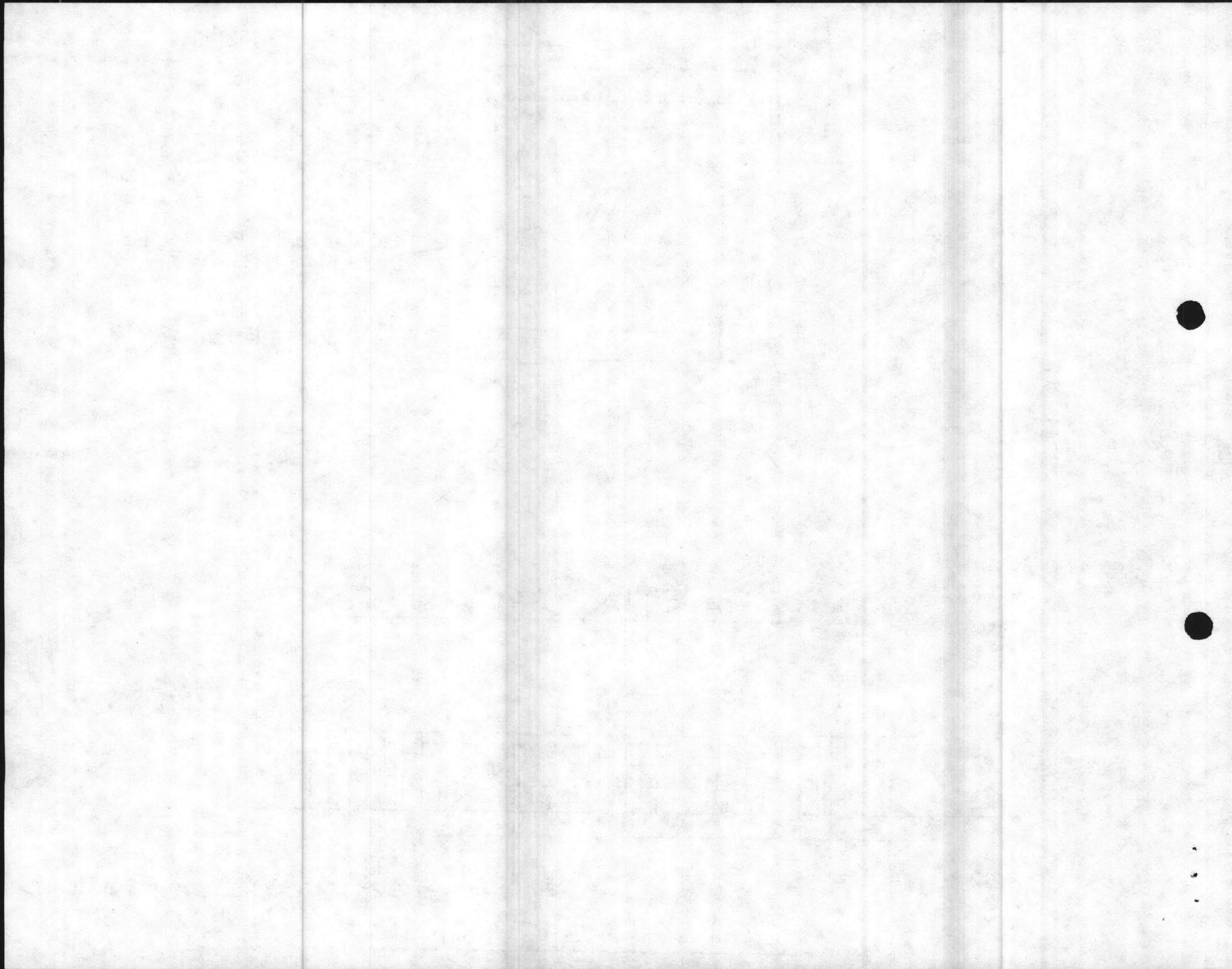






PARTIAL PLAN  
SCALE = 1" = 200'





HYDRAULIC RADIUS  $r_h = \frac{\text{area flow}}{\text{wetted perimeter}}$

$$A = \frac{1}{2} b h$$

$$= \frac{1}{2} (1.5' \times 8.5')$$

$$= 6.4 \text{ sq ft}$$

$$r_h = \frac{6.4}{9}$$

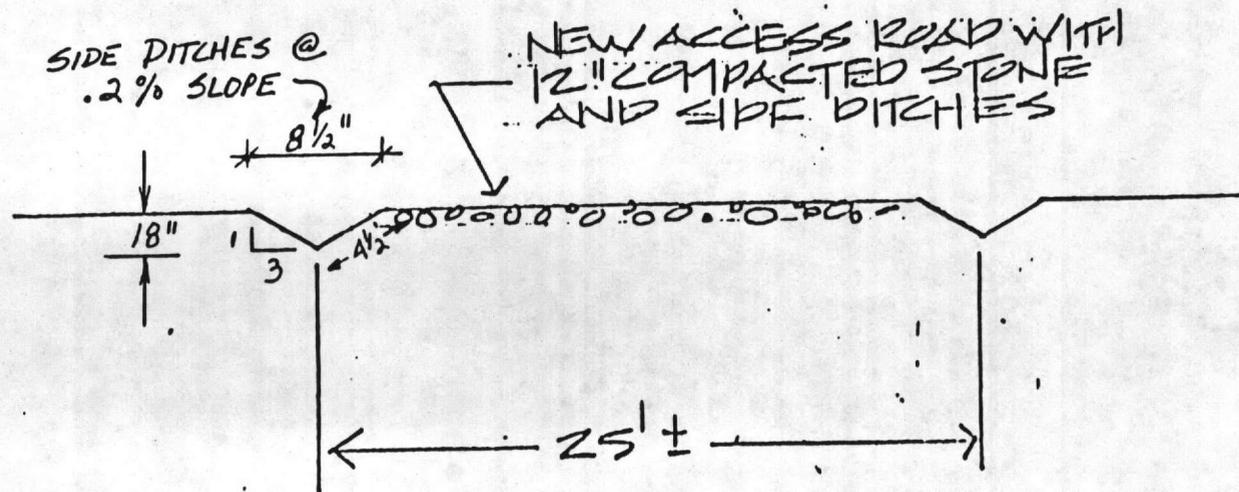
$$= .71$$

$$P_w = 25$$

$$= 2(4.5)$$

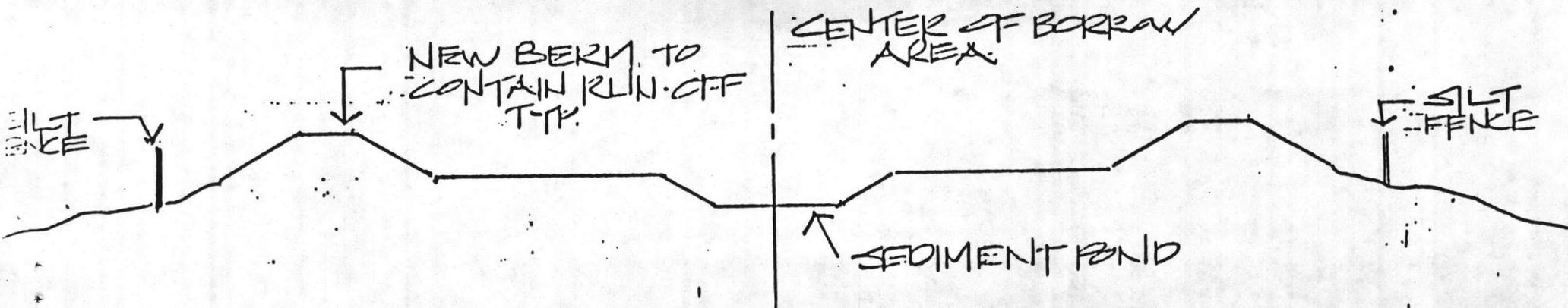
$$= 9 \text{ ft}$$

FROM FIGURE 3.11C  
(ATTACHED), MAX.  
VELOCITY IN DITCH  
IS 1.7 FPS



TYPICAL CROSS SECTION OF NEW ACCESS ROAD

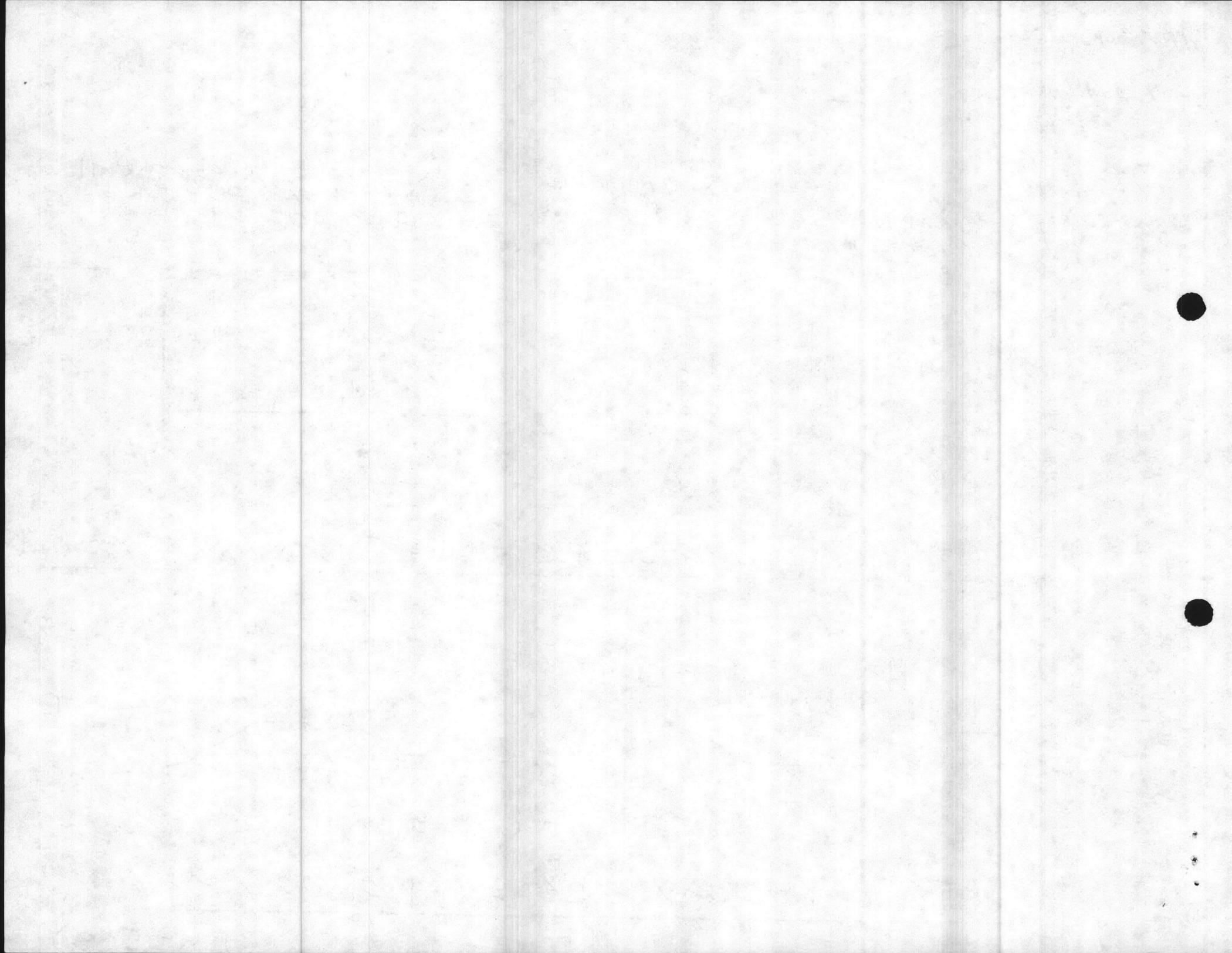
N.T.S.



TYPICAL CROSS SECTION - BORROW PIT

N.T.S.

ENCL (3)



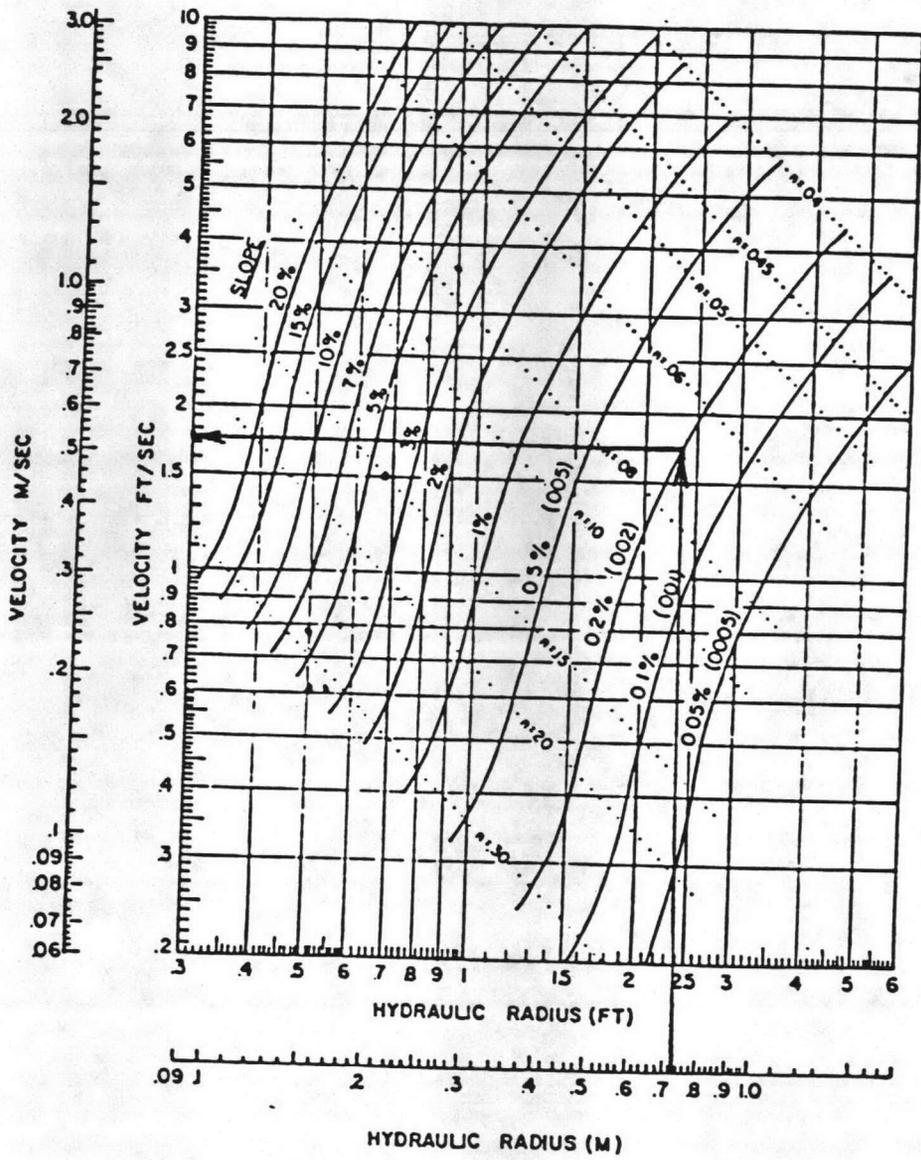
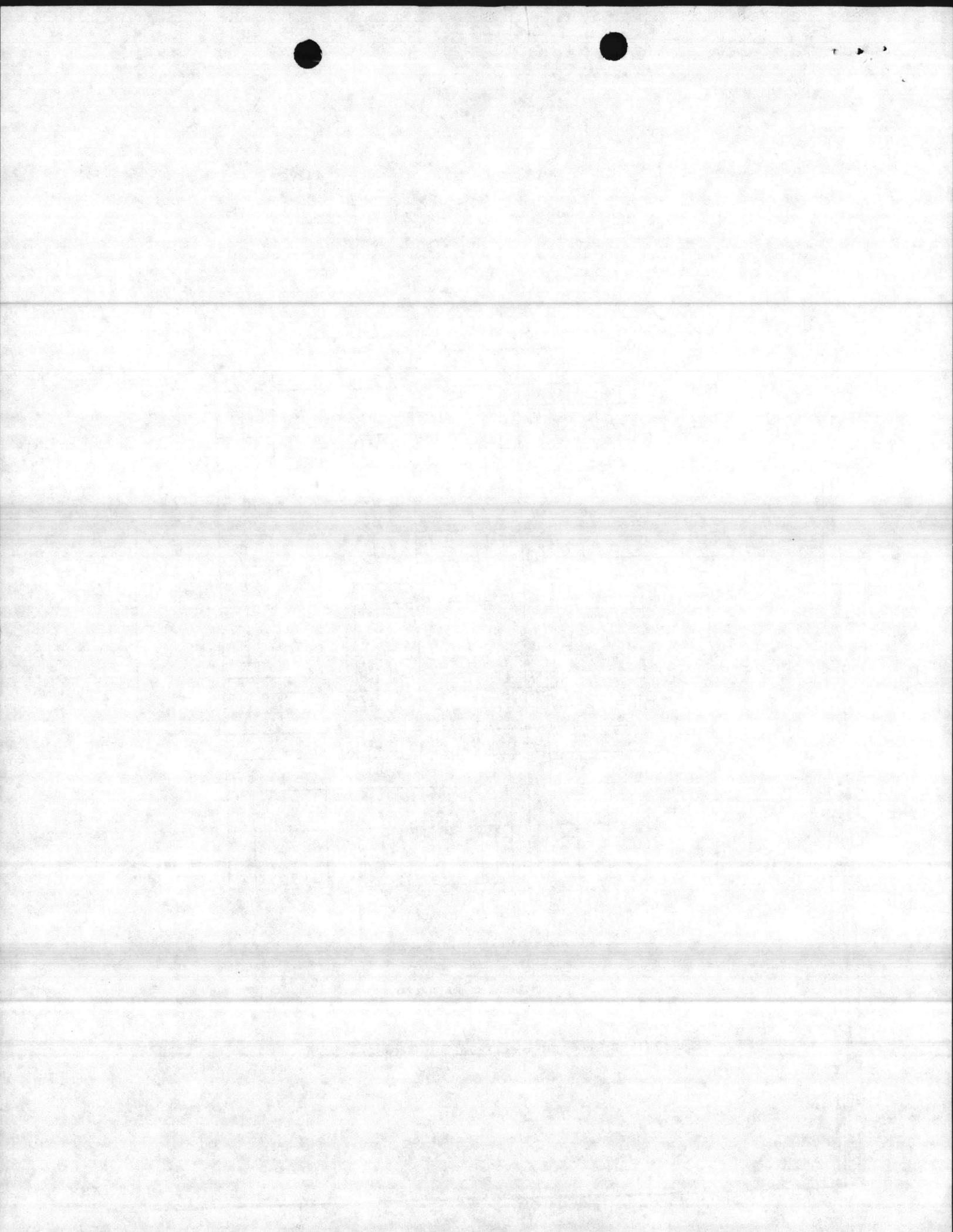


Figure 3.11b. Solution to Manning's Equation for Retardance Class B.

H 44





State of North Carolina  
Department of Natural Resources and Community Development  
Wilmington Regional Office

James G. Martin, Governor

S. Thomas Rhodes, Secretary

March 31, 1987

LETTER OF APPROVAL

Colonel T. J. Dalzell  
Marine Corps Base  
Camp Lejeune, North Carolina 28542-5001

RE: Letter of Approval  
Project Name: Montford Point Borrow Pit  
Location: Camp Lejeune-Onslow County  
Submitted by:  
Date Received: March 9, 1987  
New Submittal

Dear Colonel Dalzell:

This office has reviewed the subject sedimentation and erosion control Plan. We find the plan to be acceptable and hereby issue this letter of approval.

Please be advised that Title 15, North Carolina Administrative Code, 4B.0017(a) requires that a copy of the approved plan be on file at the job site. Also, inspections will be performed by this office over the life of the project to insure compliance with the approved plan.

North Carolina's Sedimentation Pollution Control Program is performance oriented, requiring protection of the natural resources and adjoining properties. If following the commencement of this project it is determined that the sedimentation and erosion control plan is inadequate to meet the requirements of the Sedimentation Pollution Control Act of 1973 (North Carolina General Statute 113A-51 thru 66), this office may require revisions in the plan and its implementation to insure compliance with the Act.

Recognizing the desirability of early coordination of sedimentation control, we believe that it would be beneficial if a pre-construction conference could be arranged to discuss the approved plan for this project. Please contact this office and let us know the date of construction start-up and the date of the pre-construction conference so that we may attend.



MEMORANDUM FOR THE RECORD

DATE: 10/15/54

TO: SAC, NEW YORK

FROM: SA [Name], NEW YORK

SUBJECT: [Subject]

RE: [Subject]

On 10/15/54, [Name] advised that [Name] had been contacted by [Name] who stated that [Name] was planning to travel to New York on 10/16/54.

[Name] stated that [Name] was planning to travel to New York on 10/16/54 and would be staying at the [Name] Hotel.

[Name] stated that [Name] was planning to travel to New York on 10/16/54 and would be staying at the [Name] Hotel.

[Name] stated that [Name] was planning to travel to New York on 10/16/54 and would be staying at the [Name] Hotel.

[Name] stated that [Name] was planning to travel to New York on 10/16/54 and would be staying at the [Name] Hotel.

[Name] stated that [Name] was planning to travel to New York on 10/16/54 and would be staying at the [Name] Hotel.

[Name] stated that [Name] was planning to travel to New York on 10/16/54 and would be staying at the [Name] Hotel.

[Name] stated that [Name] was planning to travel to New York on 10/16/54 and would be staying at the [Name] Hotel.

[Name] stated that [Name] was planning to travel to New York on 10/16/54 and would be staying at the [Name] Hotel.

[Name] stated that [Name] was planning to travel to New York on 10/16/54 and would be staying at the [Name] Hotel.

[Name] stated that [Name] was planning to travel to New York on 10/16/54 and would be staying at the [Name] Hotel.

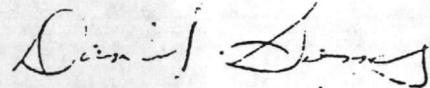
[Name] stated that [Name] was planning to travel to New York on 10/16/54 and would be staying at the [Name] Hotel.

[Name] stated that [Name] was planning to travel to New York on 10/16/54 and would be staying at the [Name] Hotel.

Colonel T. J. Dalzell  
Page 2  
March 31, 1987

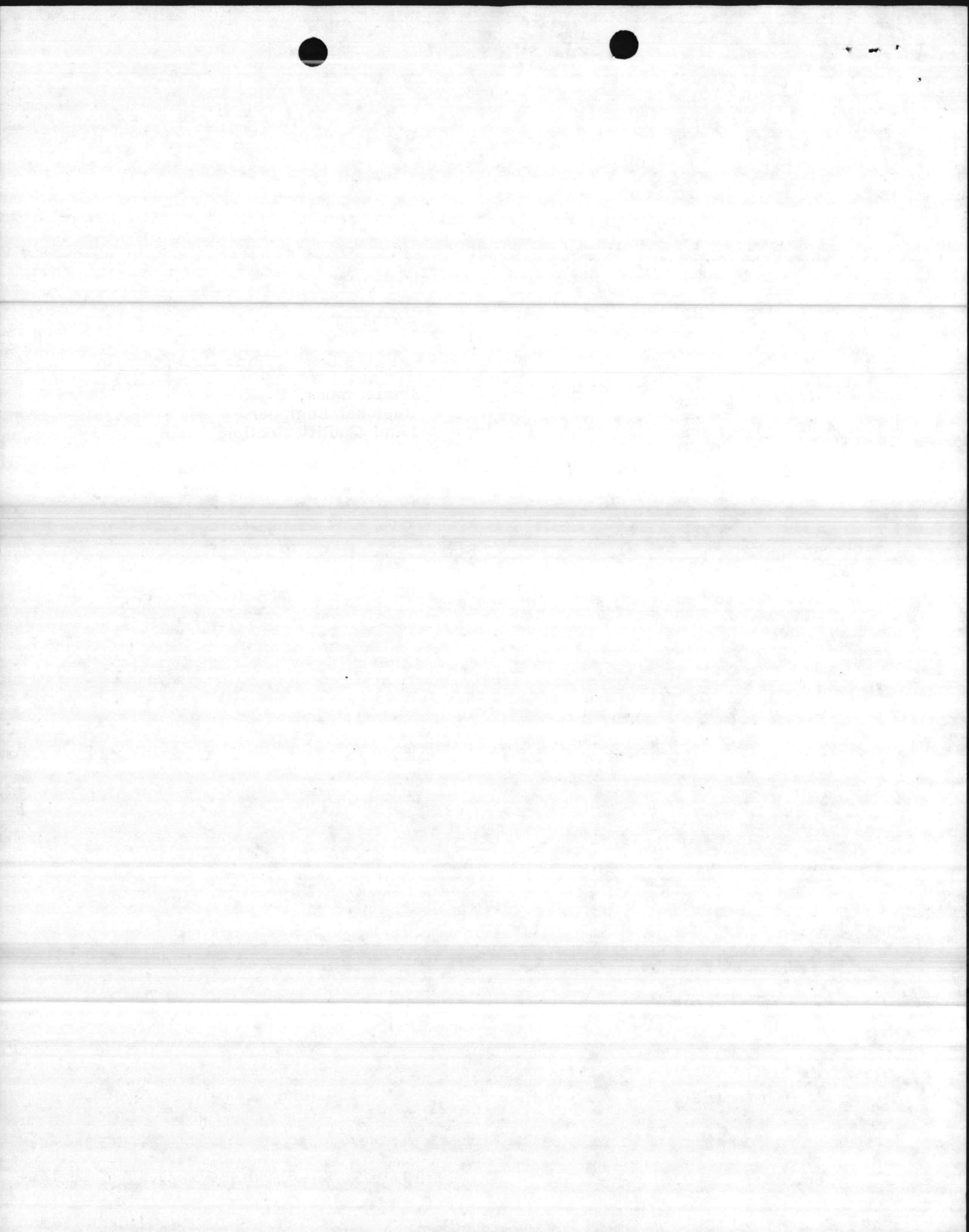
We look forward to working with you on this project.

Sincerely,



Daniel Sams, P. E.  
Regional Engineer  
Land Quality Section

DS/cfl





*Fac MGT*  
*Bab Alexander*  
*copy → ↑ +*  
*file:*  
*6280*

State of North Carolina  
Department of Natural Resources and Community Development  
Wilmington Regional Office

James G. Martin, Governor

S. Thomas Rhodes, Secretary

NOTICE OF RECEIPT OF EROSION & SEDIMENTATION CONTROL PLAN  
March 9, 1987

T. J. Dalzell  
Colonel, U.S. Marine Corps  
Marine Corps Base  
Camp Lejeune, North Carolina 28542-5001

Dear Colonel Dalzell:

This office has received a soil erosion and sediment control plan for the project listed below which was submitted as required by the North Carolina Sedimentation Pollution Control Act. (G.S. 113A-57).

Please be advised that this Act requires that all persons disturbing an area of one or more contiguous acres of land must obtain approval of a soil erosion control plan prior to the commencement of said land-disturbing activity. This Act further states that this plan must be filed a minimum of 30 days prior to the activity and the approving authority must approve or disapprove the submitted plan within 30 days of receipt. Failure of the approving authority to approve or disapprove the submitted plan within the 30 day period will be deemed approval of the plan. Commencement of a land-disturbing activity under the jurisdiction of this Act prior to the approval of an erosion and sediment control plan is a violation of the Act.

As soon as possible we will review the proposed plan and will contact you if other deficiencies are determined.

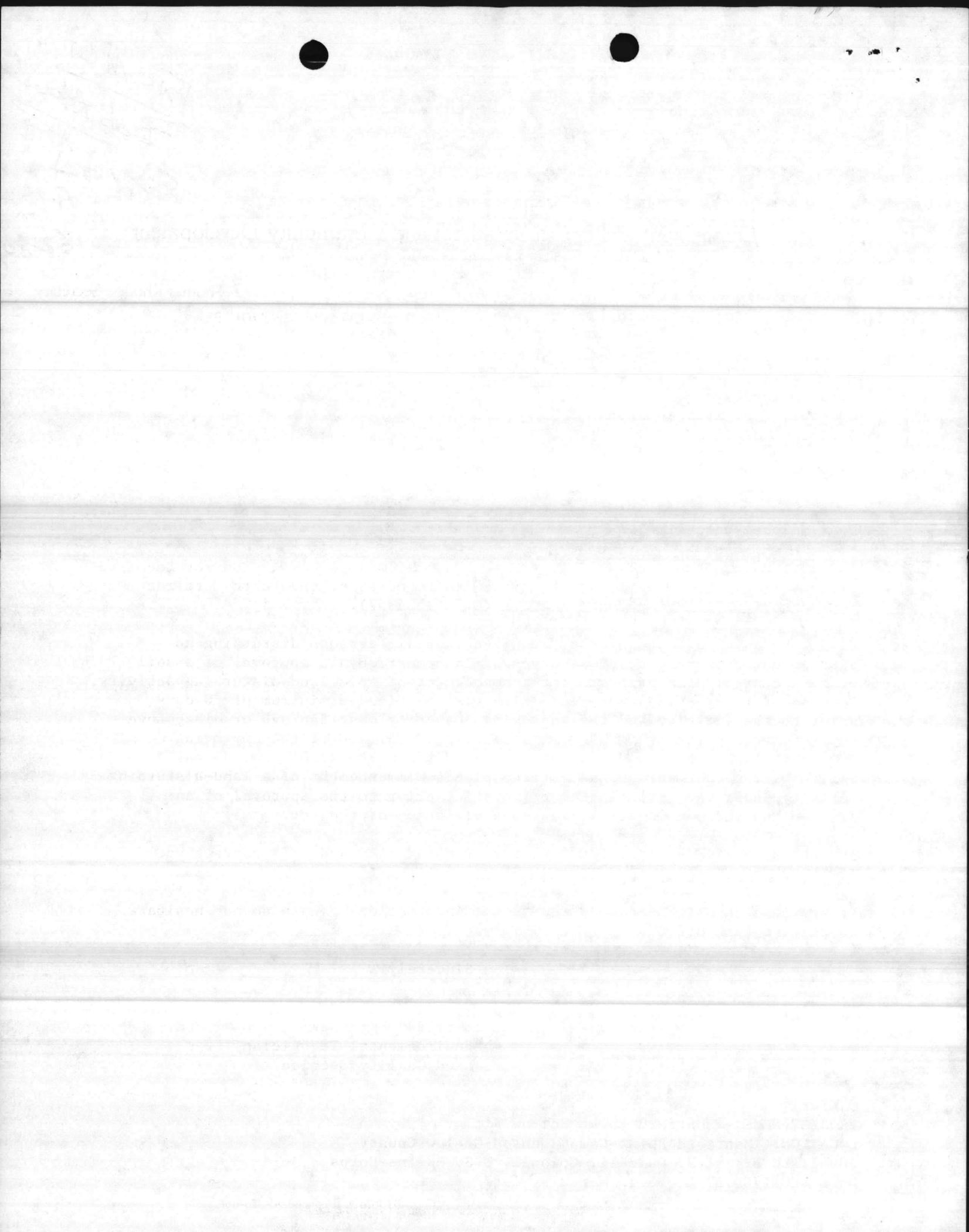
If you have questions or need additional information, please do not hesitate to contact this office.

Sincerely,

*Gerald J. Kraynak*  
Gerald J. Kraynak  
Environmental Technician  
Land Quality Section

GJK/cfl

PROJECT NAME: Montford Point Borrow Pit  
LOCATION: Montford Point-Camp Johnson-Onslow County  
SUBMITTED BY: T.J. Dalzell, Colonel, U.S. Marine Corps  
DATE RECEIVED BY L.Q.S.: March 9, 1987





68-51-21



MONTFORD POINT  
BORROW PIT

ENCLOSURE [4]



MONTFORD POINT  
BORROW PIT

